

CLAIMS

What is claimed is:

1. A crystallization system comprising  
a database comprising quantitative information about the chemical and physical properties under various thermodynamics conditions of one or more compounds, and  
a feedback assisted, dynamically controlled chemical system coupled to the database.
2. The system of claim 1, wherein the chemical system comprises  
a controller that accesses the database and can monitor and control the state of one or more experiments, and  
a crystallization platform coupled to the controller.
3. A crystallization system comprising  
a crystallization device,  
a controller coupled to the crystallization device, the controller including a memory comprising  
a protein solubility database, and  
a software program adapted to access the database.